



PATENT

Attorney Docket No. 056291-5258

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Rodney Brian Hargreaves *et al.*** ) Confirmation No.: 7098  
 )  
 Application No.: 10/534,651 ) Group Art Unit: 1625  
 )  
 Filed: May 12, 2005 ) Examiner: Seaman, D Margaret M  
 )  
 For: **Quinoline Derivatives as Glucokinase** )  
**Ligands** ) Date: June 30, 2006

Commissioner for Patents  
 U.S. Patent and Trademark Office  
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 401 Dulany Street  
 Alexandria, VA 22314

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTUNDER 37 C.F.R. § 1.97(c)Citation of Technically Related U.S. Patent Applications

The Examiner's attention is directed to the following technically related U.S. patents or applications of Applicant's assignee:

Inventor	U.S. Serial No. Filing Date	U.S. Pub. /Patent No. Publication Date	PCT Publ. No. Date
Barry Raymond Hayter et al.	10/482,264 December 23, 2005	US 20050054715 March 10, 2005	WO 03/000262 January 3, 2003
Barry Raymond Hayter et al.	10/482,572 December 22, 2003	US 20040214868 October 28, 2004	WO 03/000267 January 3, 2003
Scott Boyd et al.	10/486,496 February 11, 2004	US 20050080106 April 14, 2005	WO 03/015774 February 27, 2003
Darren Mckerrecher et al.	10/534,650 May 12, 2005	US 20060058353 March 16, 2006	WO 2004/046139 June 3, 2004
Peter William Rodney Caulkett et al.	10/578,021 April 28, 2006		WO 2005/044801 May 19, 2005
Craig Johnstone et al.	10/579,337 May 15, 2006		WO 2005/054200 June 16, 2005
Craig Johnstone et al.	10/579,552 May 16, 2006		WO 2005/054233 June 16, 2005

/D Margaret Seaman/

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<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				Attorney Docket No. <b>056291-5258</b>		Application No. <b>10/534,651</b>	
PTO Form 1449 June 30, 2006				Applicants: <b>Rodney Brian Hargreaves <i>et al</i></b>			
Filing Date: <b>May 12, 2005</b>				Group Art Unit: <b>1625</b>			
<b>U.S. PATENT DOCUMENTS</b>							
Initial	1.	Document No.	Date	Name	Class	Sub-Class	Filing Date
MS	1.	US 4,146,631	March 27, 1979	Ford, <i>et al.</i>	514	381	November 3, 1977
<b>FOREIGN PATENT DOCUMENTS</b>							
MS	2.	Document No.	Date	Country	Class	Sub-Class	Translation
	3.	EP 1600442	November 30, 2005	Europe			
	4.	JP 08 173525	July 9, 1996	Japan			Abstract
	5.	JP 08 301760	November 19, 1996	Japan			Yes
	6.	WO 01/19788	March 22, 2001	WIPO			
	7.	WO 2004/076420	September 10, 2004	WIPO			Yes
	8.	WO 2005/063738	July 14, 2005	WIPO			Yes
	9.	WO 2005/066145	July 21, 2005	WIPO			
	10.	WO 2005/080359	September 1, 2005	WIPO			
	11.	WO 2005/080360	September 1, 2005	WIPO			
	12.	WO 2005/090332	September 29, 2005	WIPO			Yes
	13.	WO 2005/095417	October 13, 2005	WIPO			
	14.	WO 2005/095418	October 13, 2005	WIPO			
	15.	WO 2005/103021	November 3, 2005	WIPO			
	16.	WO 2005/121110	December 22, 2005	WIPO			
	17.	WO 2005/123132	December 29, 2005	WIPO			
	18.	WO 2006/016174	February 16, 2006	WIPO			
	19.	WO 2006/016178	February 16, 2006	WIPO			
	20.	WO 2006/016194	February 16, 2006	WIPO			
	21.	WO 2006/040527	April 20, 2006	WIPO			
	22.	WO 2006/040528	April 20, 2006	WIPO			
	23.	WO 2006/040529	April 20, 2006	WIPO			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
MS	23.	Anderson <i>et al</i> "Pyridopyrimidines. 6. Nucleophilic substitutions in the Pyrido[2,3-d]pyrimidine series" J. Org. Chem. 42(6):993-996 (1977)					
	24.	Ando <i>et al.</i> "Fluoride salts on alumina as reagents for alkylation of phenols and alcohols" Bull. Chem. Soc. Jpn., 55:2504-2507 (1982)					
	25.	Coghlan "Small molecule Glucokinase Activators (GKAs) as novel anti-diabetic agents" Society for Medicines Research Seminar (June 2004)					
	26.	Coghlan "Small molecule Glucokinase Activators (GKAs) as novel anti-diabetic agents" CIDEM seminar (May 2005)					
	27.	Gill <i>et al.</i> "Stimulation of insulin release by a small molecule glucokinase activator" EASD Islet Study Group Abstract (November 2005)					
	28.	Kunishima <i>et al.</i> "4-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-4-methyl-morpholinium chloride: An efficient condensing agent leading to the formation of amides and esters" Tetrahedron 55:13159-13170 (1999)					
	29.	Leighton <i>et al.</i> "Small molecule glucokinase activators as novel anti-diabetic agents" Biochem Soc Trans. 33(Pt 2):371-374 (April 2005)					
MS	30.	McKerrecher "Design and synthesis of novel glucokinase activators" 13th RSC-SCI Medicinal Chemistry Symposium, Churchill College Cambridge (September 2005)					
Examiner		/D. Margaret Seaman/		Date Considered		09/19/2006	
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



